



## We're moving!



Our new "reused" building is located at 4750 East 131 Street in Garfield Heights. The Cuyahoga County Solid Waste District office and facility will now be housed in a building that used to be a bowling alley. Watch for details about our Open House soon!

## 2011 Earth Day Poster Contest

Get out your colored markers and pencils! It's time for the Earth Day Poster Contest. The winning artwork will be featured in the Cuyahoga County Solid Waste District's Earth Day calendar. This year's theme is anything related to "We all help the earth by recycling." Drawings are a must, but we also encourage you to create a catchy saying to go along with your drawing.

All students in first through eighth grades are invited to participate. Tell your friends and siblings. Draw in color on 8.5" by 11" white paper using markers, colored pencils or oil pastels. On the back of the entry, include your name, grade, teacher's name, school, and the school's address.

All individual entrants will receive a certificate and a recycled-content pencil. (Teachers, you

may request certificates or small giveaways for your classrooms! Provide the total number of entries on a note with your class submission.) Entries must be mailed flat, postmarked by January 31, 2011, and sent to Kathleen Rocco, CCSWD Poster Contest, 4750 E. 131 Street, Garfield Heights, OH 44105.

A winner and runner-up will be chosen from each grade. The winner will receive an Earth Day T-shirt, bag and copies of the calendar.

If you have questions, call 216-443-3731, or visit [www.cuyahogawd.org](http://www.cuyahogawd.org) to print the contest flyer.



## Mini-grant applications due in February

The School Recycling Mini-Grant Applications are due on February 12, 2011. Schools can receive up to \$750 to purchase recycling equipment and promotional materials. Last year, the Cuyahoga County Solid Waste District awarded money to 12 schools to start or improve their recycling programs. Tell your teacher you want to help make your school more sustainable. For details, visit [www.cuyahogawd.org/en-US/Recycling-Mini-Grant.aspx](http://www.cuyahogawd.org/en-US/Recycling-Mini-Grant.aspx)

## Don't Throw It Out



We're looking for items in the classroom that have been repurposed, such as a can that has been turned into a pencil holder or a shoe box that now holds a game. Your repurposed trash creation may be a featured item in the publication, "Don't Throw It Out: Reuse Ideas for the Classroom." Email a photo of students using the repurposed item to [krocco@cuyahogacounty.us](mailto:krocco@cuyahogacounty.us) by January 15, 2011. You will be contacted if your submission will be used.

# Fraction Action

Instructions: Read the story problem. Write your answer on the line.

Elijah went shopping for gifts for his mom, dad, and brother at a secondhand store. He started out with \$20.00. He spent  $\frac{1}{4}$  on his mom's gift,  $\frac{1}{5}$  on his dad's gift, and  $\frac{1}{2}$  on his brother's gift. How much money did Elijah have left?



# TURN BACK TIME



In 1867, a U.S. paper manufacturer received the first shipment of wood pulp for use in making paper. Three of the statements below provide accurate historical information about the use of wood pulp in paper making. Circle the letter of the statement that doesn't belong.

- A. A rag shortage in the 1850s and increased demand for paper caused manufacturers to look for a new raw material.
- B. The wood pulp was used instead of rags, old hemp rope, and straw as a raw material.
- C. A semi-trailer truck delivered the first load of wood pulp to the paper factory.
- D. The process for grinding wood and converting it to pulp was developed in Germany.

# A CAPITAL IDEA

Instructions:

Rewrite these sentences with correct capitalization.

when lauren got a new cell phone, She donated Her old one to goodwill.

during fall break, mrs. smith took ryan to see the new york public library.

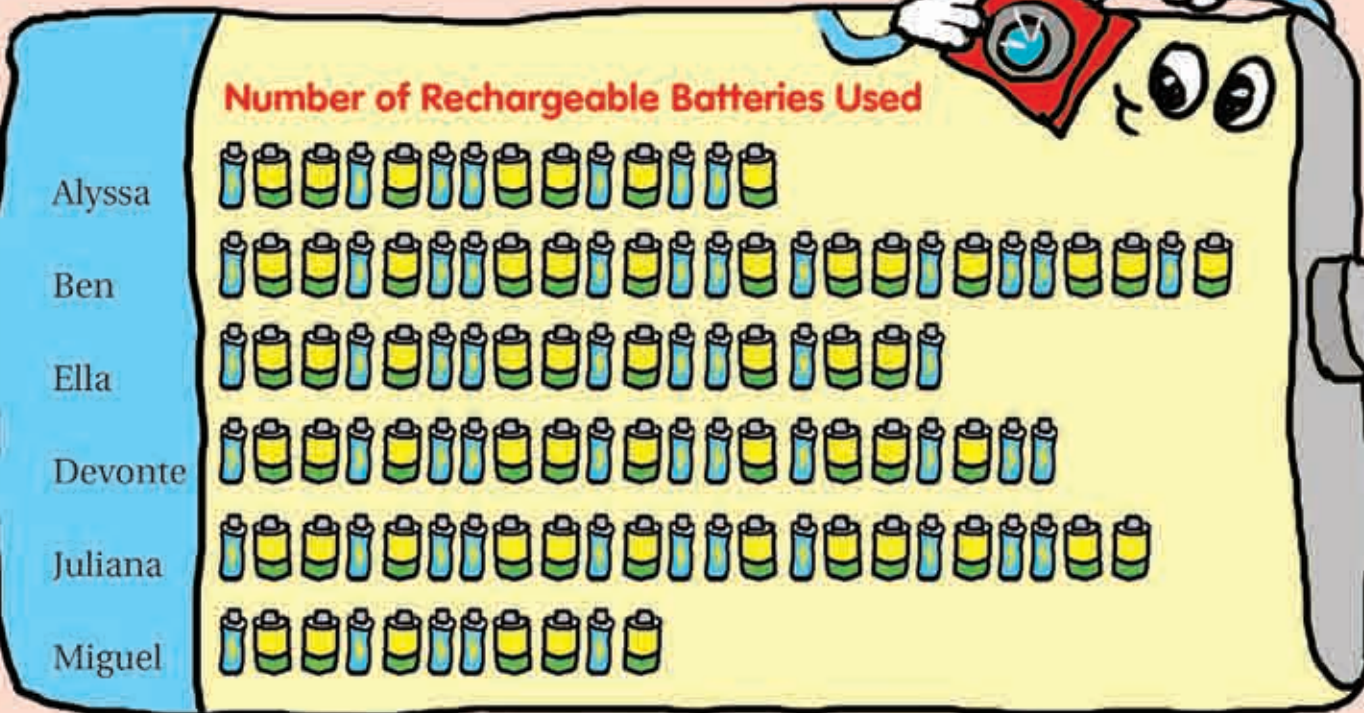
on friday, ryan Texted lauren to Tell her about The lions at The library entrance.

# PICTURE THE POWER

Batteries turn chemical energy into electrical energy. The chemicals inside the battery act on each other to generate electricity. This electricity powers your portable and handheld devices, from remote controls to laptop computers.

Household batteries come in two basic varieties: single-use and rechargeable. Rechargeable batteries can be used, recharged, and used again. Some rechargeables must be taken out and placed into a charger that is plugged into the wall. These rechargeable batteries usually look a lot like single-use batteries. You would use these batteries in remote controls, handheld games, video game controllers, and flashlights. Other rechargeable batteries are "built-in" to the item. You don't remove these batteries to recharge them. Instead, you simply plug a charging cable (often called an "adapter") into the item and plug the other end into a power source, such as a wall outlet, your car's lighter, or the computer. These batteries could be found in cameras, cell phones, iPods/MP3 players, portable DVD players, and laptop computers.

Use the graph to answer the questions below:



1. Who used the most batteries? \_\_\_\_\_
2. Who used the least batteries? \_\_\_\_\_
3. How many batteries did Devonte use? \_\_\_\_\_
4. How many batteries did Ella use? \_\_\_\_\_
5. If each rechargeable battery replaced 300 single-use batteries, how many single-use batteries would Ben have needed? \_\_\_\_\_
6. If Alyssa had purchased single-use batteries instead, how many batteries would she have needed? \_\_\_\_\_
7. If a rechargeable battery costs \$3.00, how much did Juliana spend on batteries? \_\_\_\_\_
8. If each rechargeable battery costs \$3.00 and each single-use battery costs \$1.00, how much did Miguel save by purchasing rechargeable batteries? (Remember, rechargeables can replace at least 300 single-use batteries.) \_\_\_\_\_

Bonus: List five things that you use which have rechargeable batteries.

# SYNONYM SEARCH

Instructions: Read each sentence carefully. If you don't know the meaning of the underlined word, use the other words in the sentence to help you figure it out. Circle the word below the sentence that is a synonym for the underlined word. (Hint: Synonyms have the same meaning.)

1. Swap an old game with a friend for a game that is new-to-you.

- Repair      Trade      Donate

2. If your family is hosting a party, lease the tables and chairs you need.

- mend      refill      rent

3. You can contribute clothes you have outgrown to a charity.

- remake      donate      borrow

4. Why buy water bottles when you can replenish your own?

- refill      maintain      resell

5. My dad mended his torn shirt.

- traded      borrowed      repaired

6. Sustain what you have so that it will last for a long time.

- Maintain      Lend      Neglect

7. My aunt refurbished an old piece of furniture for her living room.

- ruined      bought      restored

8. Salvaging old shoe boxes to create storage boxes saves money and reduces waste.

- Buying      Reusing      Renting

9. "Oops, I forgot my reloadable shopping bag in the car!"

- reusable      disposable      secondhand

# All in the Analogy

Instructions: Complete these analogies.

Repair is to fix as \_\_\_\_\_ is to swap.

Borrow is to library as rent is to \_\_\_\_\_.

Refill is to mechanical pencil as recharge is to \_\_\_\_\_.

Birthday card is to junk mail as \_\_\_\_\_ is to junk food.

# Checking it twice

It's the time when your parents, grandparents, aunts, and uncles often ask, "So what do you want this year?" We know that you are working on a wish list and checking it twice.

A recent study found that 40-50% of people your age have cell phones, over 75% have iPods/MP3 players, about 50% have video game consoles, 71% have TVs in their rooms, and the vast majority have access to a computer at home. We're pretty sure that young people aren't buying all of these electronics with their own money! Which means you probably have at least one electronic item on your wish list.

As you work on your list, think about your wants and your needs. Have you ever heard someone say, "If it ain't broke, don't fix it"? That's good advice when it comes to electronics, too—if they aren't broken, don't replace them! Continuing to use the electronics you already have reduces waste, conserves natural resources, and saves energy.

Here are some things to consider:

- ❖ If you already have a cell phone that works, why ask for a new one? Instead, ask for a new cover or credit to download some new games.
- ❖ Do you have an iPod or MP3 player that works? Is it full? Then don't ask for a replacement. Think about how much time it would take to reload all of your music! Instead of asking for a new iPod or MP3 player, ask for gift cards to download more music and videos onto your current iPod/MP3 player.
- ❖ Do you like to play video games? Who says you need the newest console? Chances are, you can enjoy your favorite game on the console you have. When you ask for games, consider asking for used games. Many people buy new games and keep them for a very short period of time because they get tired of them or don't like them. Either way, used games are a great deal—and reduce waste.
- ❖ If you do get new electronics, what will you do with the older items that are being replaced? Could someone you know use your



old cell phone or MP3 player? Could you sell it or give it away? If it is broken, do you know where to recycle it?

Remember, electronics shouldn't go into your household trash. The chemicals and metals used to make electronics can cause pollution when mixed with trash in a regular landfill.

You can donate your family's old cell phones, PDAs, digital cameras, or MP3 players to a good cause. Recycle for Breast Cancer provides prepaid shipping labels, envelopes or collection materials. This no-cost national recycling program helps prevent electronic waste and the toxic chemicals it contains from entering our landfills and environment while raising funds to help reduce cancer. For details, visit [www.recycleforbreastcancer.org](http://www.recycleforbreastcancer.org).

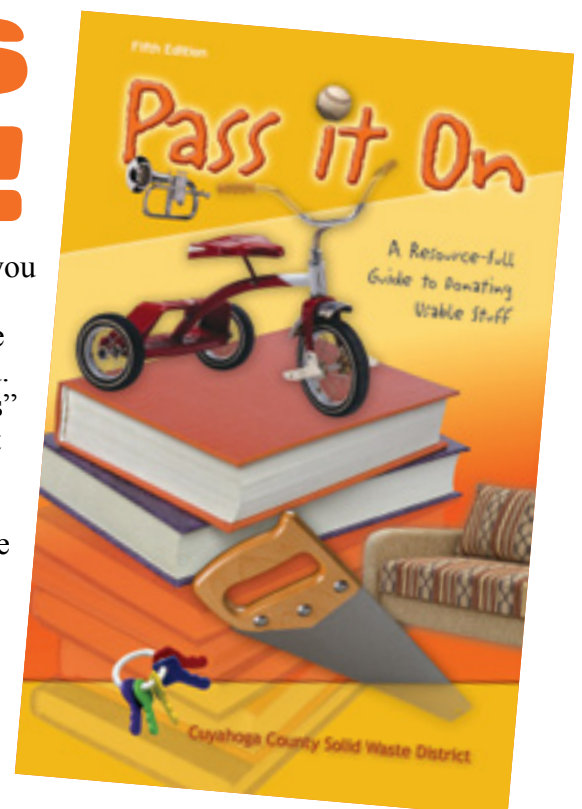
Another option is [www.gazelle.com](http://www.gazelle.com). They'll recycle your digital music player and pay for shipping, and you'll get money for it. Gazelle will also buy portable computer hard drives, satellite radios, GPS devices, camcorders, laptop computers, digital cameras, and cell phones.

Cell phones can also be recycled through [www.recellular.com](http://www.recellular.com).

For information about when and where to recycle other electronics, go to [www.cuyahogasd.org/en-US/computer-recycling.aspx](http://www.cuyahogasd.org/en-US/computer-recycling.aspx).

## Pass It On!

Donate usable stuff that you no longer want or need. Go to our website's home page, [www.cuyahogasd.org](http://www.cuyahogasd.org), choose "Publications" at the far right, and select "Pass It On book" from the drop-down list. You will learn where to donate all sorts of things, from bicycles to pet food! You can also search for recycling information by material or by the city in which you live.



## Plastic bag? No, thanks!

Wondering what's so bad about plastic bags? Would you like to make your own creative reusable bags to take to the library or the store? Have your teacher or leader call Kathleen Rocco at 216-443-3731 to schedule the



"Pass on the Plastic Bag" presentation for your class or club.

**Cuyahoga County  
Solid Waste District**

4750 East 131 Street  
Garfield Heights, OH 44105

216-443-3731

[www.cuyahogasd.org](http://www.cuyahogasd.org)

We want to hear from You!



Funded by the Cuyahoga County Solid Waste District  
Commissioner Jimmy Dimora  
Commissioner Peter Lawson Jones  
Commissioner Timothy F. Hagan